

ABSTRACT OF THE DISCLOSURE

Apparatus for sensing a potential rollover situation involving a vehicle including an inertial reference unit including three accelerometers and three gyroscopes which provide data on vehicle motion, vehicle control devices arranged to affect control of the vehicle and a processor coupled to the inertial reference unit and the vehicle control devices. The processor includes an algorithm arranged to receive data from the inertial reference unit and control the vehicle control devices to apply the throttle, brakes and steering to prevent the rollover, optionally in consideration of the position of the vehicle as provided by a map database or location determining system.